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AMENDMENTS TO THE CLAIMS

1. (previously presented) Leak detection apparatus for a liquid cooling system having coolant pipes and at least one pipe joint, comprising:

a wicking material applied to an exterior periphery of said pipe;

an electrical detector including first and second spaced electrodes formed of different metals and disposed on said wicking material;

a crystalline electrolyte activating agent impregnated into said wicking material that is operative when leaked coolant soaks into said wicking material for forming a coolant activated battery that produces an electrical voltage and current flow between said first and second electrodes when coolant leaks into said wicking material; and

circuitry coupled to said electrical detector for indicating the presence of a coolant leak when said electrical voltage and current flow are produced.

2. (original) The leak detection apparatus of Claim 1, further comprising:

a superincumbent layer of material surrounding said electrical detector and wicking material that is operative on contact with said leaked coolant for hardening to form a seal that contains said leaked coolant.

3. (original) The leak detection apparatus of Claim 2, wherein said coolant is water, and said superincumbent layer is hydrophobic polyurethane.

4. (canceled)

5. (canceled)

6. (original) The leak detection apparatus of Claim 1, further comprising: